
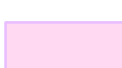
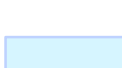

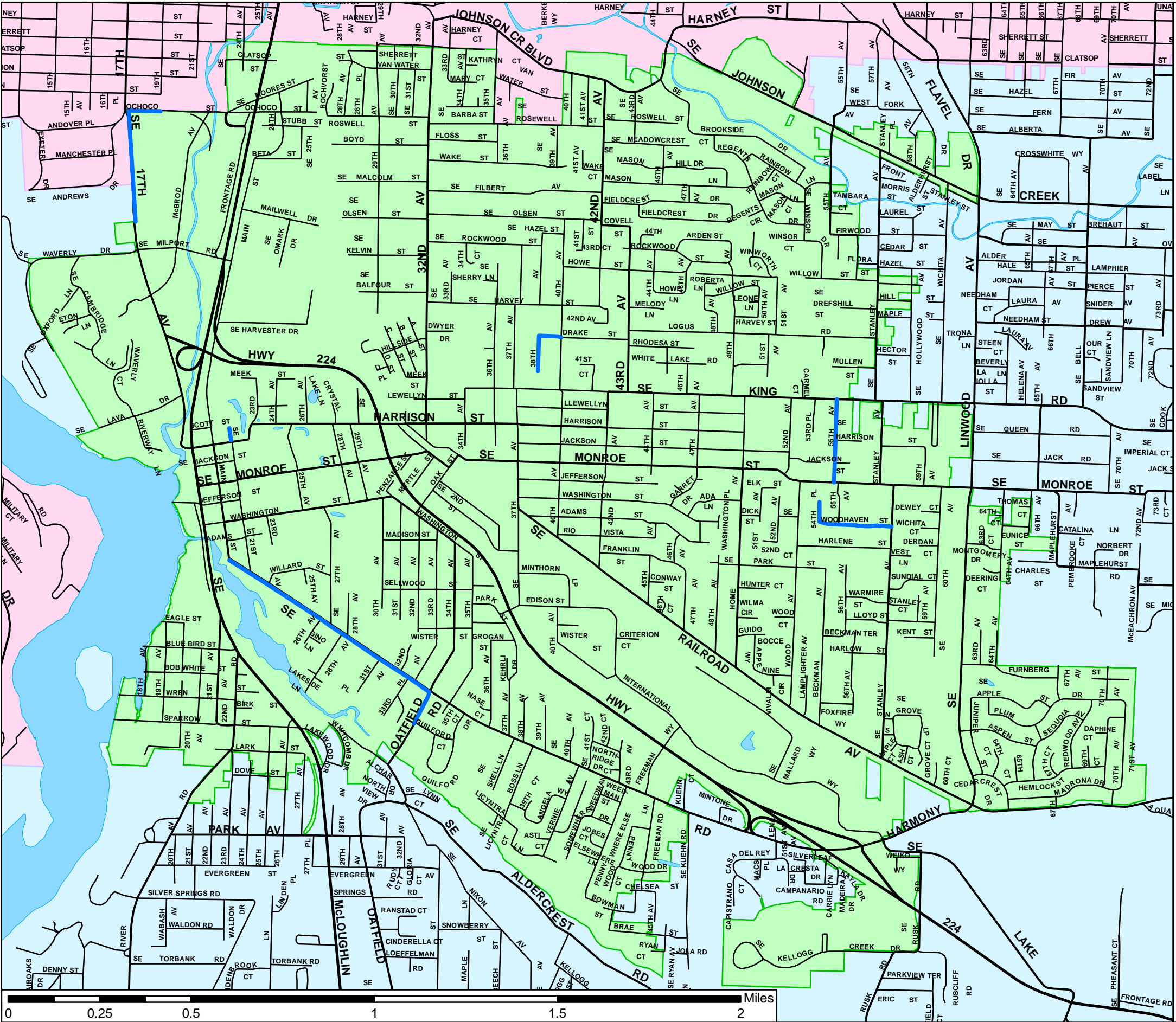


City of Milwaukie Capital Improvement Plan 2005-2006

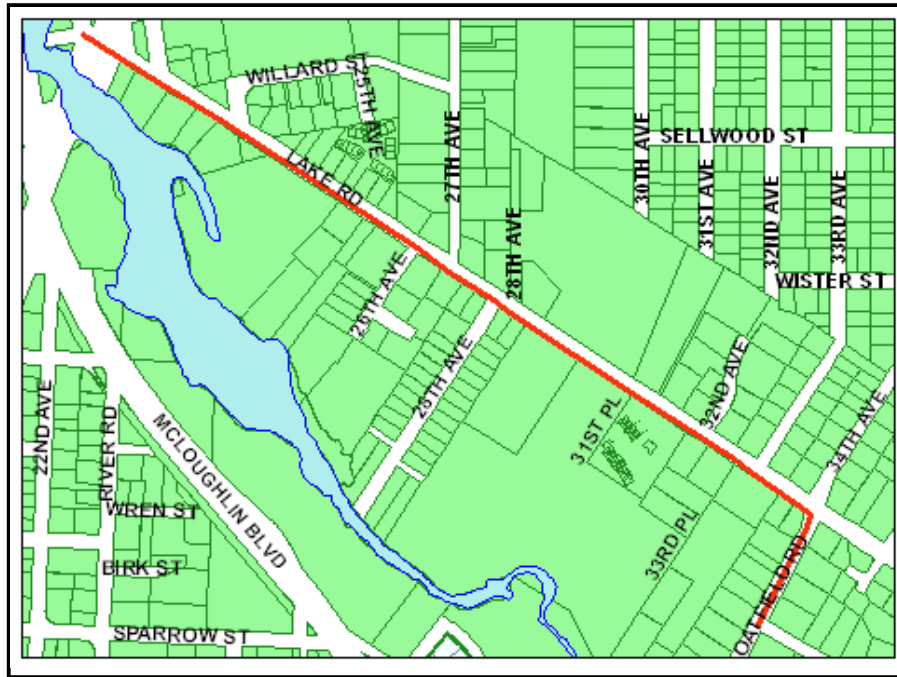
Water

-  City of Milwaukie
-  City of Portland/
Multnomah County
-  Clackamas County
-  Water Projects



CIP 2006-2010			WATER DIVISION SUMMARY							
						YEARS				
Dept or Division	Project Number	GL SubObj Code	Neighborhood	Project Name	Page	05/06	06/07	07/08	08/09	09/10
Water	0099	1270	HM, LR	Lake Rd./Oatfield Rd. (Main to Guilford)		\$ 350,000				
Water	0100	1190	Linwood	54th Pl. and Woodhaven St. Waterline*		\$ 6,000	\$ 74,000			
Water	0101	1300	Linwood	55th Ave (King to Monroe)*		\$ 7,000	\$ 80,500			
Water	0102	1310	Ardenwald	38th Ave. and Drake St.*		\$ 5,000	\$ 57,000			
Water	0109	0760	Lake Road	Well Rehabilitation		\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000
Water	0103	1280	Lewelling	43rd Ave. (Rhodesa to King)*			\$ 4,700	\$ 47,000		
Water	0104	1565	Lewelling	44th Ave/Howe Ln./46th Ave.*			\$ 7,000	\$ 81,000		
Water	0105	1570	Ardenwald	Balfour St. (29th to 32nd)*			\$ 4,000	\$ 48,000		
Water	0106	1575	Ardenwald	Malcolm St. (29th to 32nd)*			\$ 4,000	\$ 48,000		
Water	0107	1580	Ardenwald	Olsen St. (29th to 32nd)*			\$ 4,000	\$ 48,000		
Water	0108	1585	Ardenwald	Llewellyn St. (32nd to 34th)*			\$ 3,200	\$ 38,000		
Water	0110	0780	Lewelling	CRW Intertie (JCB & Linwood)				\$ 12,000	\$ 120,000	
Water	0111	1260	ARD, LWL	40th Ave. & Howe St.(Harvey to 43rd)*				\$ 12,000	\$ 140,000	
Water	0112	1605	McL Industrial	Clatsop St. & McLoughlin Blvd.*					\$ 200,000	
Water	0113	1230	HC, LWD, BI	Rio Vista, Waymire, International Way					\$ 16,000	\$ 195,000
Water	0114	1785	Linwood	Storage Tank*					\$ 75,000	\$ 3,000,000
The following CIP sheets are located in the Streets Division section										
Water	0071	0225	Downtown	21st Avenue Extension		\$ 24,450				
Water	0087-2	0235	Ardenwald	CDBG - King Rd/37th Ave/Oak St/RR Ave Streets/Stormwtr/Water Imprvmnts Phase II			\$ 60,000			
The following CIP sheet is located in the Facilities Division section										
Water	0009	0607	Lewelling	PW Operations Building - Elevator		\$ 20,000				
Total Funded Water						\$ 442,450	\$ 328,400	\$ 364,000	\$ 581,000	\$ 3,225,000
UNFUNDED PROJECTS										
Total Unfunded Water						\$ -	\$ -	\$ -	\$ -	\$ -
GRAND TOTAL FUNDED AND UNFUNDED PROJECTS						\$ 442,450	\$ 328,400	\$ 364,000	\$ 581,000	\$ 3,225,000
*SDC project										

City of Milwaukie Capital Improvement Plan



Lake Road/Oatfield Road (Main to Guilford)

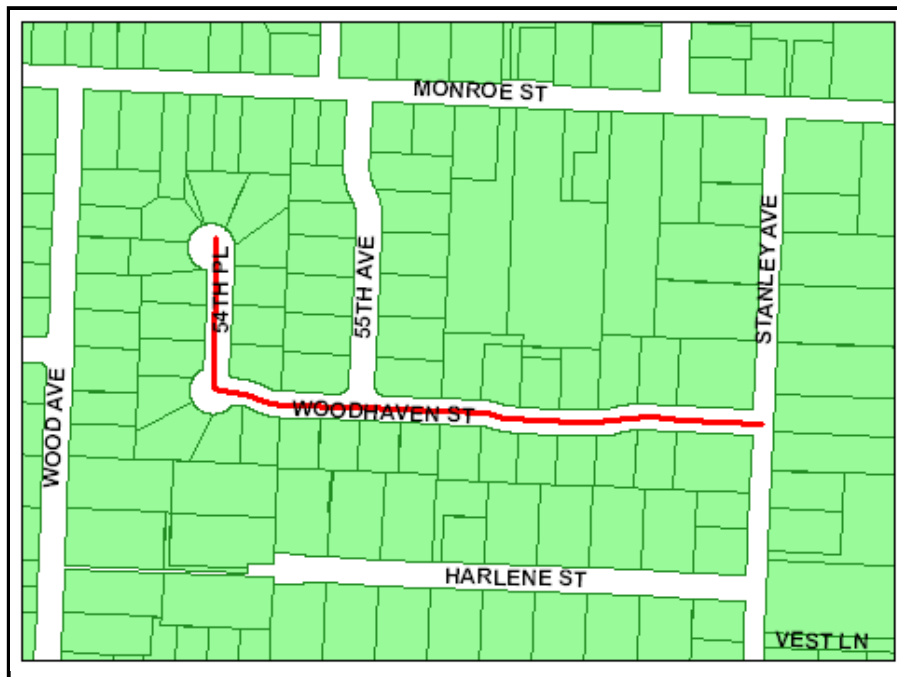
		Fiscal Years					Total
		05/06	06/07	07/08	08/09	09/10	
Capital Cost:	Planning, Engineering, Design						
	Land/Right-of-Way						
	Construction	300,000					300,000
	Contingency	50,000					50,000
Total Estimated Capital Cost		350,000					350,000
Revenue Source:	Water Fund	350,000					350,000
Total Estimated Revenue		350,000					350,000

Description:

Replace 3,500 feet of 6-inch lead joint waterline on Lake Rd. with 8-inch waterline, and replace 500 feet of 6-inch waterline with 12-inch waterline on Oatfield Rd. The 12-inch line on Oatfield Rd. also sets up the future Lake Rd. connection to the 12-inch at 37th Ave. This project was not identified in the Water System Master plan, but has been identified by staff as a high priority because of the lead joint line and the eventual proposed Lake Road Multimodal Plan.

Prepared By:	Brenda Schleining	Date:	February 9, 2005	Project No:	0099
Fund:	510	Dept:	635	Object:	7500
				Subobj:	1270

City of Milwaukie Capital Improvement Plan



54th Place and Woodhaven Street Waterline

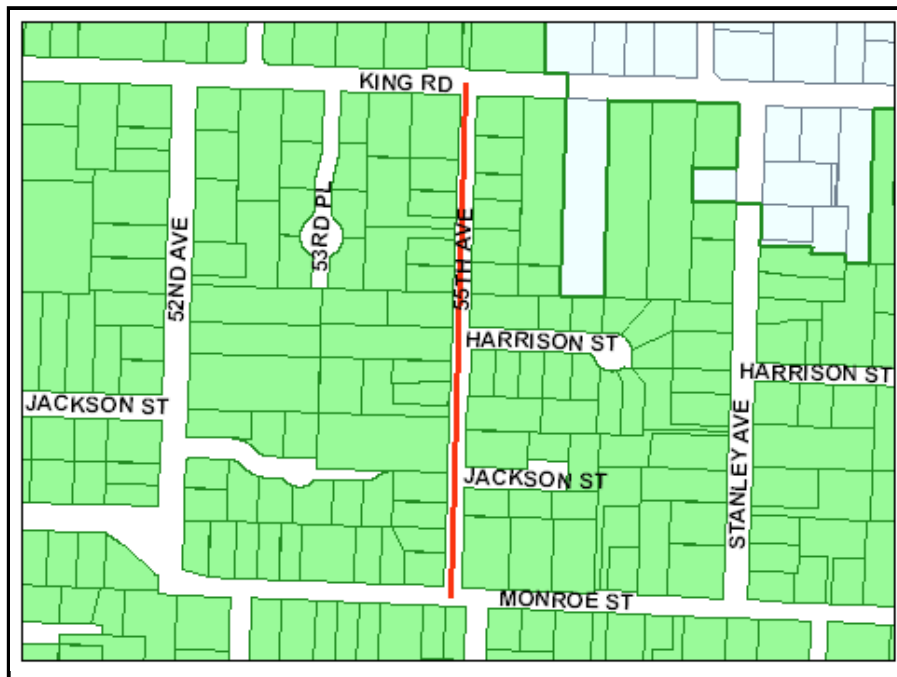
	Fiscal Years					
	05/06	06/07	07/08	08/09	09/10	Total
Capital Cost:						
Planning, Engineering, Design	6,000					6,000
Land/Right-of-Way						
Construction		62,000				62,000
Contingency		12,000				12,000
Total Estimated Capital Cost	6,000	74,000				80,000
Revenue Source:						
Water Fund	6,000	74,000				80,000
Total Estimated Revenue	6,000	74,000				80,000

Description:

Replace 1100 feet of 4-inch lead joint cast iron waterline with 6-inch waterline on Woodhaven St. and 54th Pl. from Stanley Ave. to the end of 54th Pl. Identified in the January 2001 Water System Master Plan as a priority one "small diameter pipeline replacement" project.

Prepared By: Brenda Schleining	Date: February 9, 2005	Project No: 0100
Fund: 510	Dept: 635	Object: 7500
		Subobj: 1190

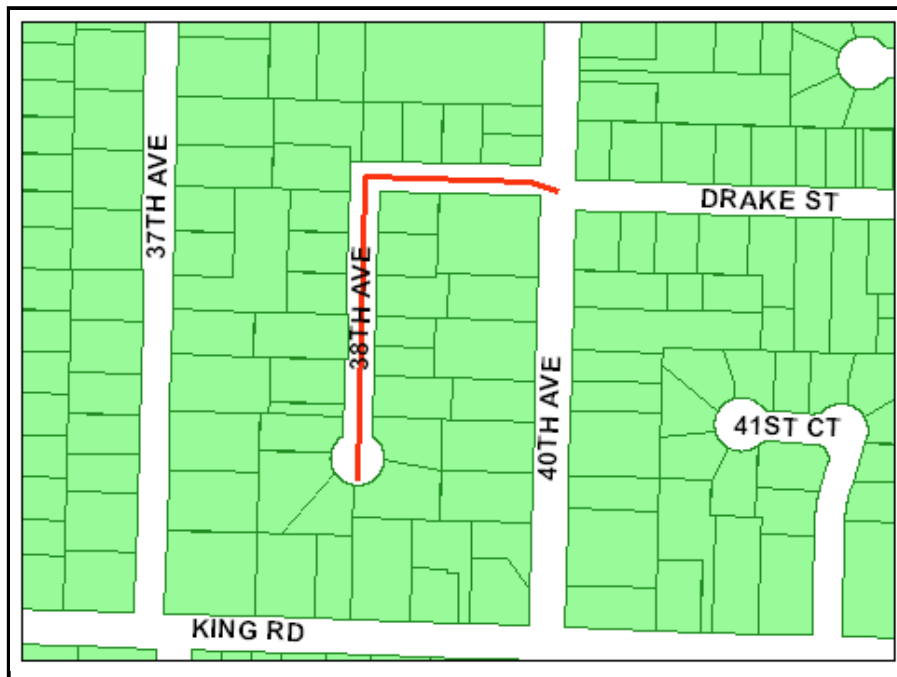
City of Milwaukie Capital Improvement Plan



55th Avenue (King to Monroe)

	Fiscal Years					
	05/06	06/07	07/08	08/09	09/10	Total
Capital Cost:						
Planning, Engineering, Design	7,000					7,000
Land/Right-of-Way						
Construction		65,500				65,500
Contingency		15,000				15,000
Total Estimated Capital Cost	7,000	80,500				87,500
Revenue Source:						
Water Fund	7,000	80,500				87,500
Total Estimated Revenue	7,000	80,500				87,500
Description:						
Replace 1200 feet of 4-inch waterline with 6-inch waterline. Identified in the January 2001 Water System Master Plan as a priority one "small diameter pipeline replacement" project.						
Prepared By:	Brenda Schleining		Date:	February 9, 2005		Project No: 0101
Fund:	510	Dept:	635	Object:	7500	Subobj: 1300

City of Milwaukie Capital Improvement Plan



38th Avenue and Drake Street

	Fiscal Years					
	05/06	06/07	07/08	08/09	09/10	Total
Capital Cost:						
Planning, Engineering, Design	5,000					5,000
Land/Right-of-Way						
Construction		48,000				48,000
Contingency		9,000				9,000
Total Estimated Capital Cost	5,000	57,000				62,000
Revenue Source:						
Water Fund	5,000	57,000				62,000
Total Estimated Revenue	5,000	57,000				62,000

Description:

Replace 850 feet of 4-inch waterline with 6-inch waterline. Listed in the January 2001 Water System Master Plan as a priority one "small diameter pipeline replacement" project.

Prepared By: Brenda Schleining	Date: February 9, 2005	Project No: 0102
Fund: 510	Dept: 635	Object: 7500
		Subobj: 1310

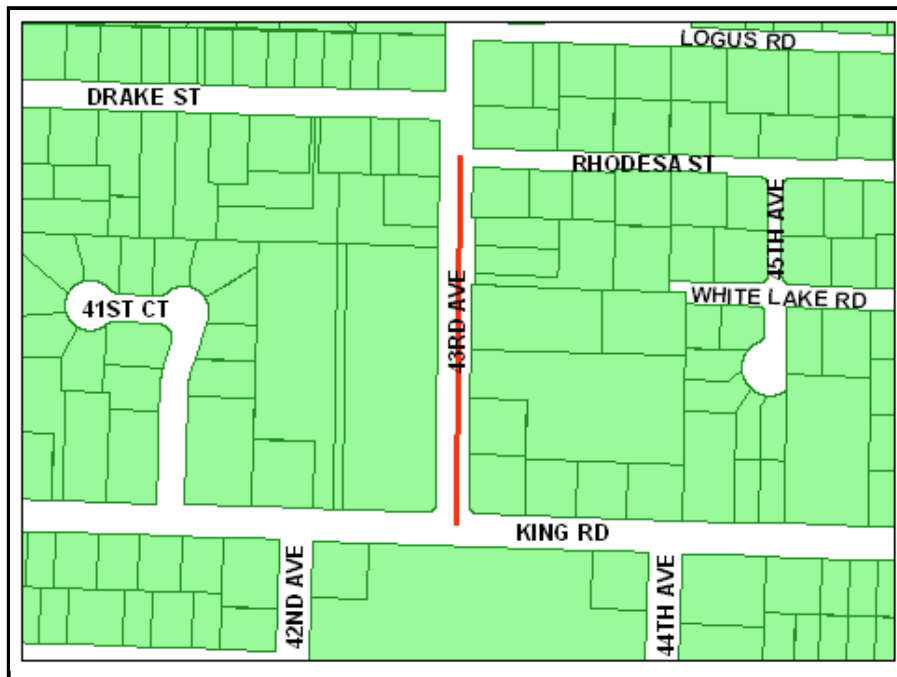
City of Milwaukie Capital Improvement Plan



Well Rehabilitation

	05/06	06/07	Fiscal Years		09/10	Total
	07/08	08/09				
Capital Cost:						
Planning, Engineering, Design	5,000	5,000	5,000	5,000	5,000	25,000
Land/Right-of-Way						
Construction	20,000	20,000	20,000	20,000	20,000	100,000
Contingency	5,000	5,000	5,000	5,000	5,000	25,000
Total Estimated Capital Cost	30,000	30,000	30,000	30,000	30,000	150,000
Revenue Source:						
Water Fund	30,000	30,000	30,000	30,000	30,000	150,000
Total Estimated Revenue	30,000	30,000	30,000	30,000	30,000	150,000
Description:						
Rehabilitation of wells to increase production.						
Prepared By:	Brenda Schleining		Date:	February 9, 2005		Project No: 0109
Fund:	510	Dept:	635	Object:	7500	Subobj: 0760

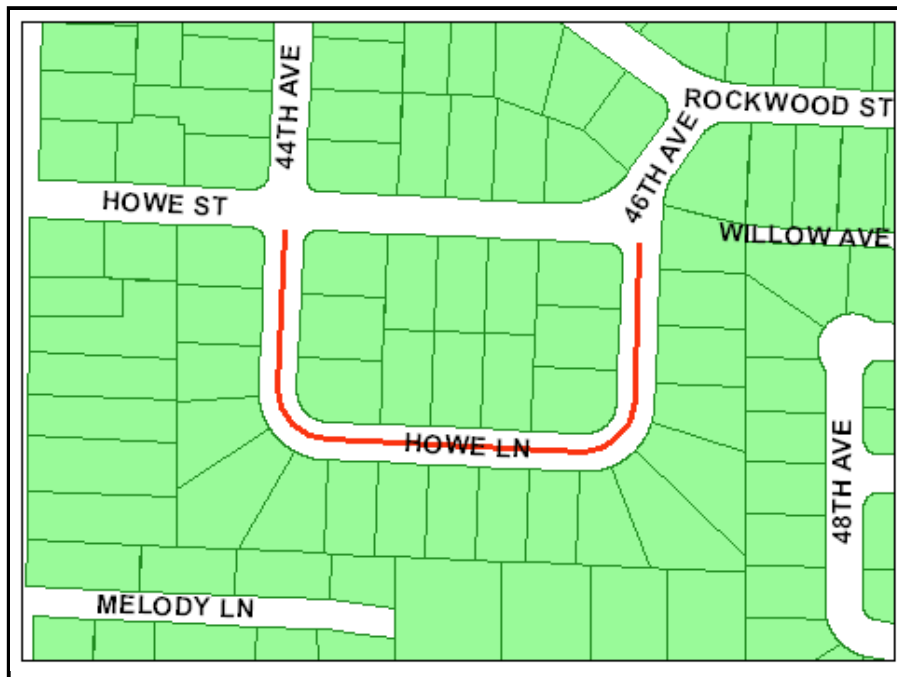
City of Milwaukie Capital Improvement Plan



43rd Avenue (Rhodesa to King)

	Fiscal Years					
	05/06	06/07	07/08	08/09	09/10	Total
Capital Cost:						
Planning, Engineering, Design		4,700				4,700
Land/Right-of-Way						
Construction			40,000			40,000
Contingency			7,000			7,000
Total Estimated Capital Cost		4,700	47,000			51,700
Revenue Source:						
Water Fund		4,700	47,000			51,700
Total Estimated Revenue		4,700	47,000			51,700
Description:						
Replace 700 feet of 4-inch waterline with 6-inch waterline. Identified in the January 2001 Water System Master Plan as a priority one "small diameter pipeline replacement" project.						
Prepared By:	Brenda Schleining		Date:	February 9, 2005		Project No: 0103
Fund:	510	Dept:	635	Object:	7500	Subobj: 1280

City of Milwaukie Capital Improvement Plan



44th Avenue/Howe Lane/46th Avenue

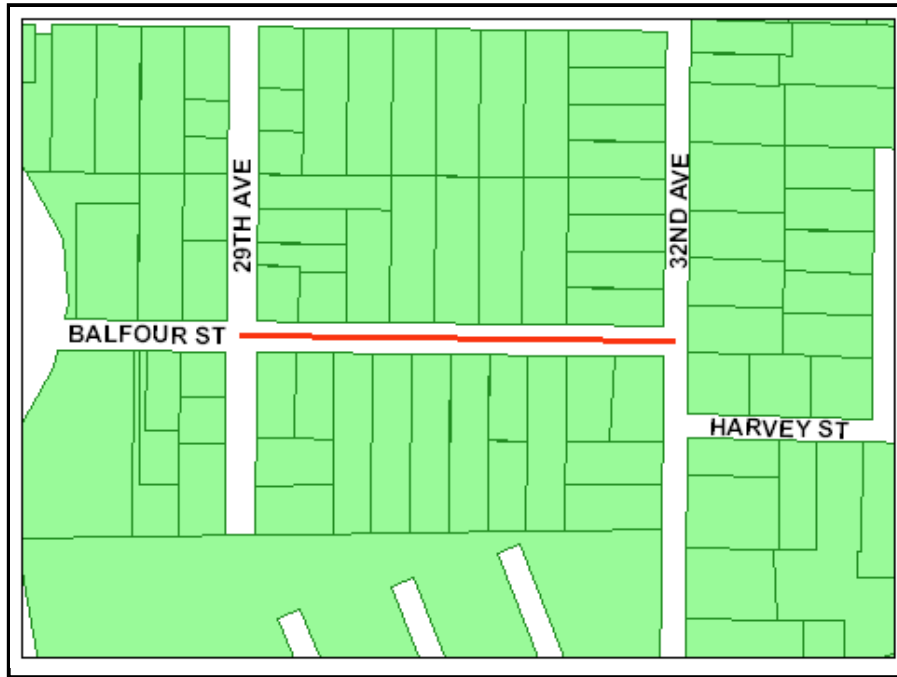
	Fiscal Years					
	05/06	06/07	07/08	08/09	09/10	Total
Capital Cost:						
Planning, Engineering, Design		7,000				7,000
Land/Right-of-Way						
Construction			66,000			66,000
Contingency			15,000			15,000
Total Estimated Capital Cost		7,000	81,000			88,000
Revenue Source:						
Water Fund		7,000	81,000			88,000
Total Estimated Revenue		7,000	81,000			88,000

Description:

Replace 1,200 feet of 4-inch waterline with 6-inch waterline. Identified in the January 2001 Water System Master Plan as a priority one "small diameter pipeline replacement" project.

Prepared By: Brenda Schleining	Date: February 9, 2005	Project No: 0104
Fund: 510	Dept: 635	Object: 7500
		Subobj: 1565

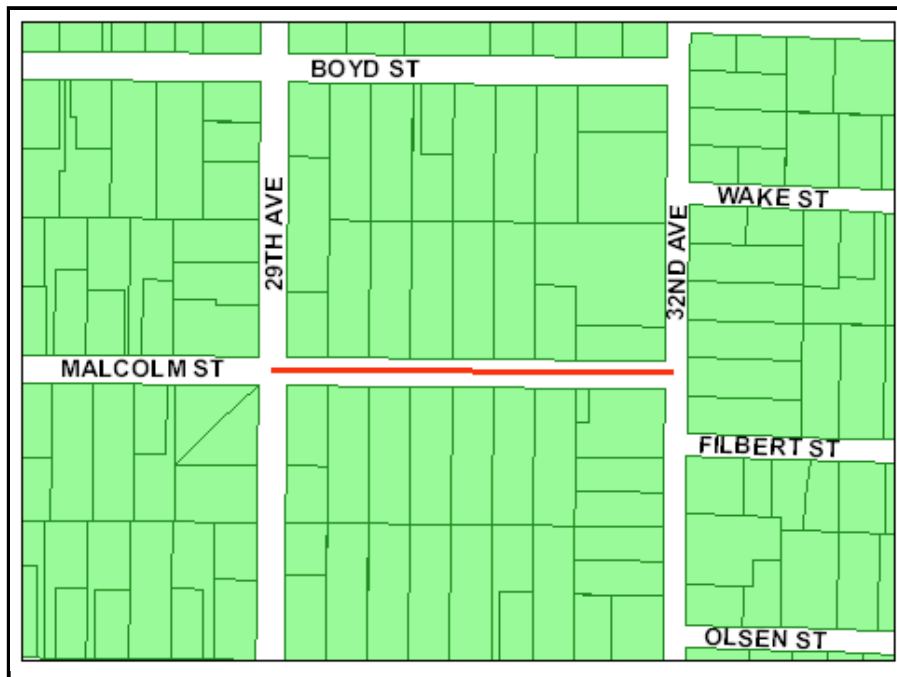
City of Milwaukie Capital Improvement Plan



Balfour Street (29th to 32nd)

	05/06	06/07	Fiscal Years			Total
			07/08	08/09	09/10	
Capital Cost:						
Planning, Engineering, Design		4,000				4,000
Land/Right-of-Way						
Construction			40,000			40,000
Contingency			8,000			8,000
Total Estimated Capital Cost		4,000	48,000			52,000
Revenue Source:						
Water Fund		4,000	48,000			52,000
Total Estimated Revenue		4,000	48,000			52,000
Description:						
Design to replace 710 feet of 4-inch waterline with 6-inch waterline. Identified in the January 2001 Water System Master Plan as a priority two "small diameter pipeline replacement" project.						
Prepared By:	Brenda Schleining		Date:	February 9, 2005		Project No: 0105
Fund:	510	Dept:	635	Object:	7500	Subobj: 1570

City of Milwaukie Capital Improvement Plan



Malcolm Street (29th to 32nd)

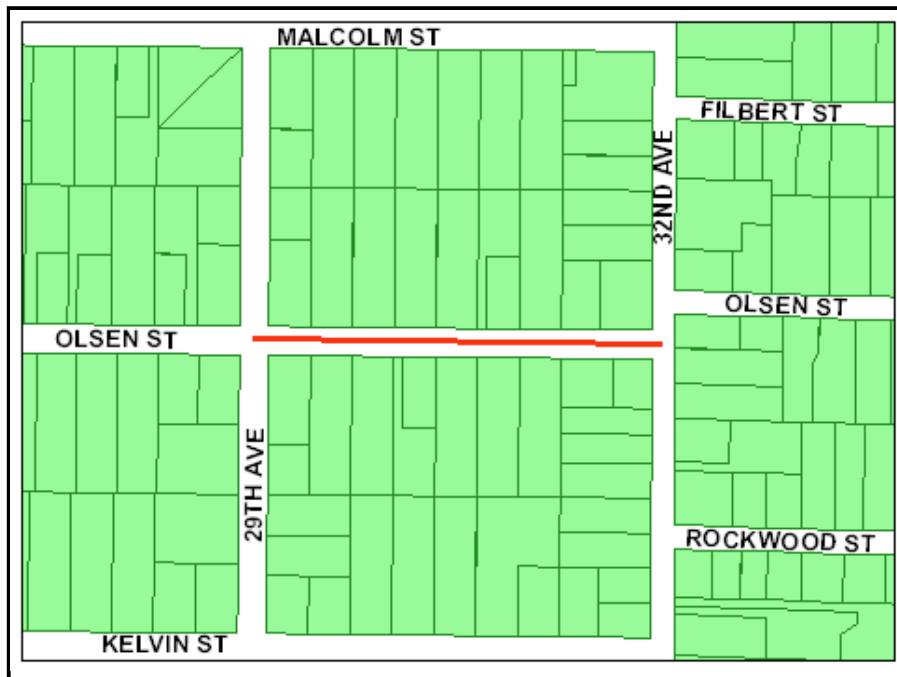
	Fiscal Years					
	05/06	06/07	07/08	08/09	09/10	Total
Capital Cost:						
Planning, Engineering, Design		4,000				4,000
Land/Right-of-Way						
Construction			40,000			40,000
Contingency			8,000			8,000
Total Estimated Capital Cost		4,000	48,000			52,000
Revenue Source:						
Water Fund		4,000	48,000			52,000
Total Estimated Revenue		4,000	48,000			52,000

Description:

Design to replace 710 feet of 4-inch waterline with 6-inch waterline. Identified in the January 2001 Water System Master Plan as a priority two "small diameter pipeline replacement" project.

Prepared By: Brenda Schleining	Date: February 9, 2005	Project No: 0106
Fund: 510	Dept: 635	Object: 7500
		Subobj: 1575

City of Milwaukie Capital Improvement Plan



Olsen Street (29th to 32nd)

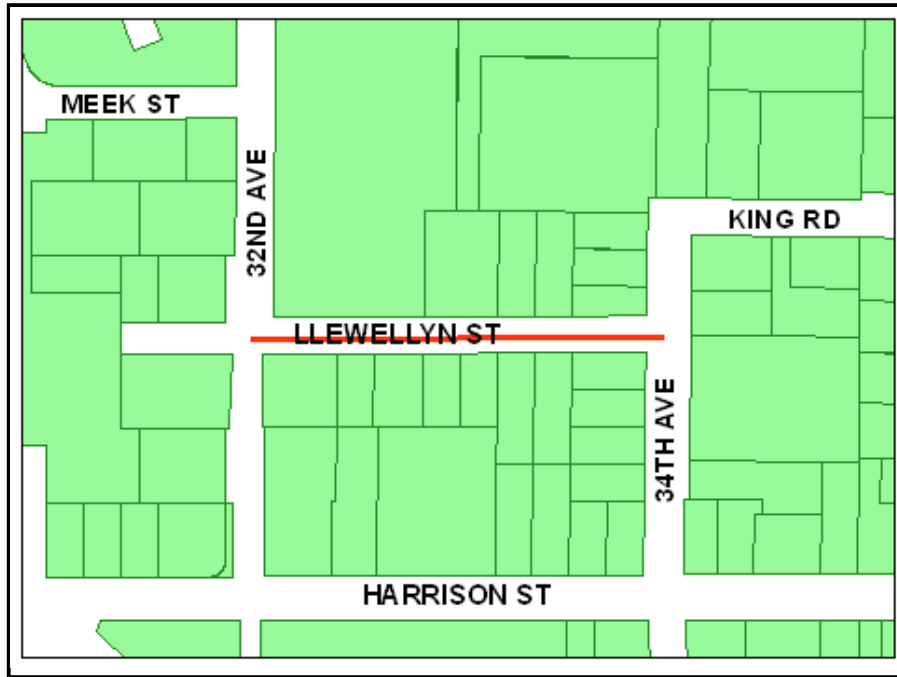
	Fiscal Years					
	05/06	06/07	07/08	08/09	09/10	Total
Capital Cost:						
Planning, Engineering, Design		4,000				4,000
Land/Right-of-Way						
Construction			40,000			40,000
Contingency			8,000			8,000
Total Estimated Capital Cost		4,000	48,000			52,000
Revenue Source:						
Water Fund		4,000	48,000			52,000
Total Estimated Revenue		4,000	48,000			52,000

Description:

Design to replace 710 feet of 4-inch waterline with 6-inch waterline. Identified in the January 2001 Water System Master Plan as a priority two "small diameter pipeline replacement" project.

Prepared By: Brenda Schleining	Date: February 9, 2005	Project No: 0107
Fund: 510	Dept: 635	Object: 7500
		Subobj: 1580

City of Milwaukie Capital Improvement Plan



Llewellyn Street (32nd to 34th)

	Fiscal Years					
	05/06	06/07	07/08	08/09	09/10	Total
Capital Cost:						
Planning, Engineering, Design		3,200				3,200
Land/Right-of-Way						
Construction			32,000			32,000
Contingency			6,000			6,000
Total Estimated Capital Cost		3,200	38,000			41,200
Revenue Source:						
Water Fund		3,200	38,000			41,200
Total Estimated Revenue		3,200	38,000			41,200
Description:						
Design to replace 560 feet of 4-inch waterline with 6-inch waterline. Identified in the January 2001 Water System Master Plan as a priority two "small diameter pipeline replacement" project.						
Prepared By:	Brenda Schleining		Date:	February 9, 2005		Project No: 0108
Fund:	510	Dept:	635	Object:	7500	Subobj: 1585

City of Milwaukie Capital Improvement Plan



Clackamas River Water (CRW) Intertie (JCB & Linwood)

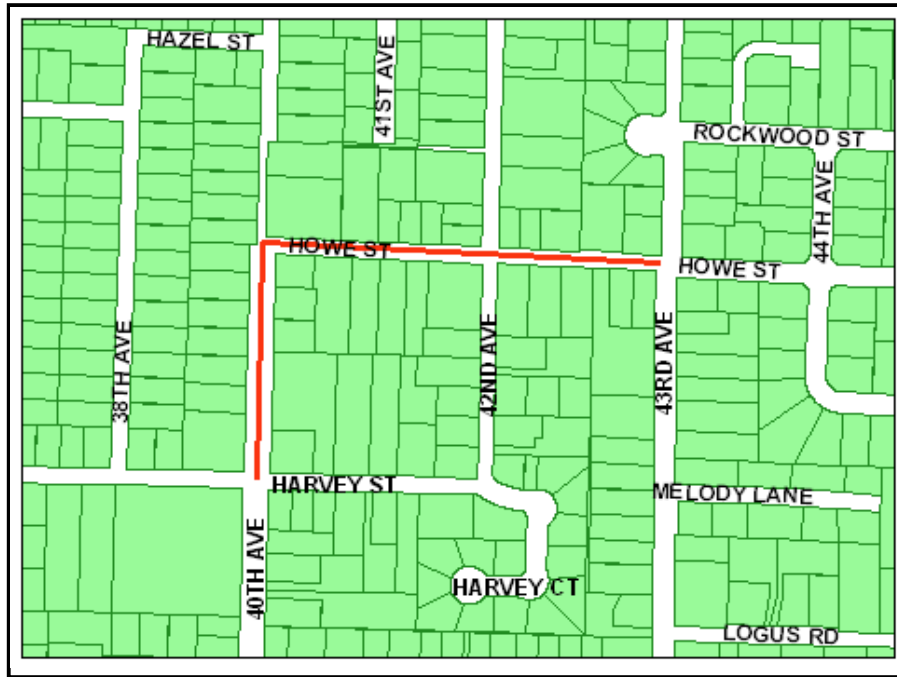
	05/06	06/07	Fiscal Years		09/10	Total
			07/08	08/09		
Capital Cost:						
Planning, Engineering, Design			12,000			12,000
Land/Right-of-Way						
Construction				100,000		100,000
Contingency				20,000		20,000
Total Estimated Capital Cost			12,000	120,000		132,000
Revenue Source:						
Water Fund			12,000	120,000		132,000
Total Estimated Revenue			12,000	120,000		132,000

Description:

Construct second intertie with Clackamas River Water (CRW) near Linwood Avenue and Johnson Creek Blvd. to provide another option to the City for water supply in time of emergency. Scope of work includes bidirectional flow meter, flow control valve, telemetry, and associated piping. This was identified in the January 2001 Water System Master Plan as a method to supply Milwaukie with base flow to meet year-round demands, in conjunction with the existing CRW intertie.

Prepared By:	Brenda Schleining	Date:	February 9, 2005	Project No:	0110
Fund:	510	Dept:	635	Object:	7500
				Subobj:	0780

City of Milwaukie Capital Improvement Plan



40th Avenue and Howe Street (Harvey to 43rd)

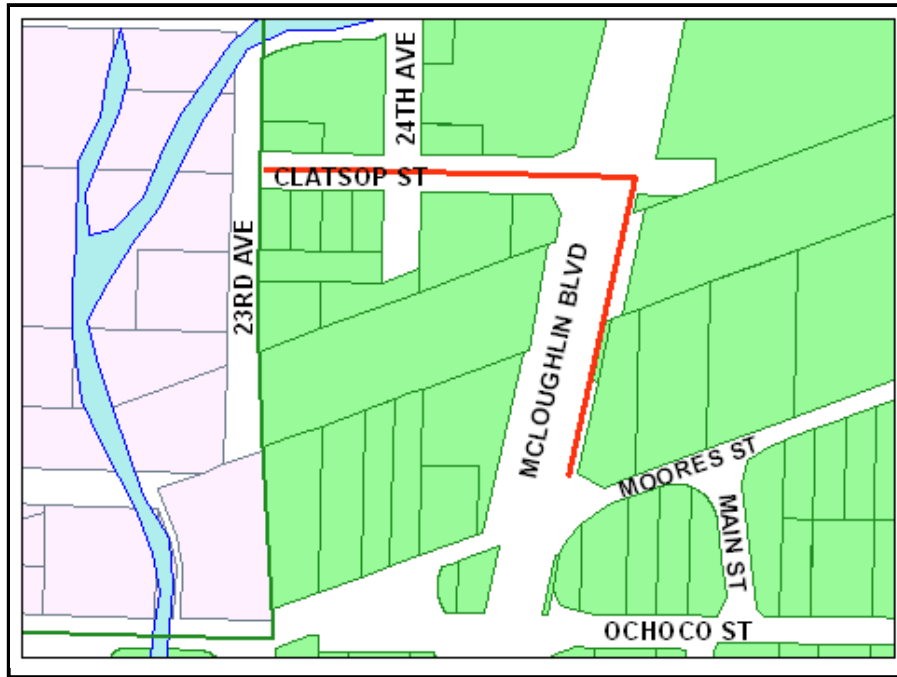
	Fiscal Years					
	05/06	06/07	07/08	08/09	09/10	Total
Capital Cost:						
Planning, Engineering, Design			12,000			12,000
Land/Right-of-Way						
Construction				120,000		120,000
Contingency				20,000		20,000
Total Estimated Capital Cost			12,000	140,000		152,000
Revenue Source:						
Water Fund			12,000	140,000		152,000
Total Estimated Revenue			12,000	140,000		152,000

Description:

Construct 1,450 feet of 10-inch waterline on 40th Ave. from Harvey St. to Howe St. and on Howe St. from 40th Ave. to 43rd Ave. to relieve peak hour demand deficiencies and relieve fire flow deficiencies. This will connect the elevated tank to the 12-inch main at 43rd Ave. Identified in the January 2001 Water System Master Plan as a priority one project to relieve peak hour demand deficiencies and relieve fire flow deficiencies in the existing system. (Originally identified on Harvey St. and on 42nd Ave. Moved off of those streets because of potential damage to the new curb and sidewalk.)

Prepared By: Brenda Schleining	Date: February 9, 2005	Project No: 0111
Fund: 510	Dept: 635	Object: 7500
		Subobj: 0780

City of Milwaukie Capital Improvement Plan



Clatsop Street and McLoughlin Blvd

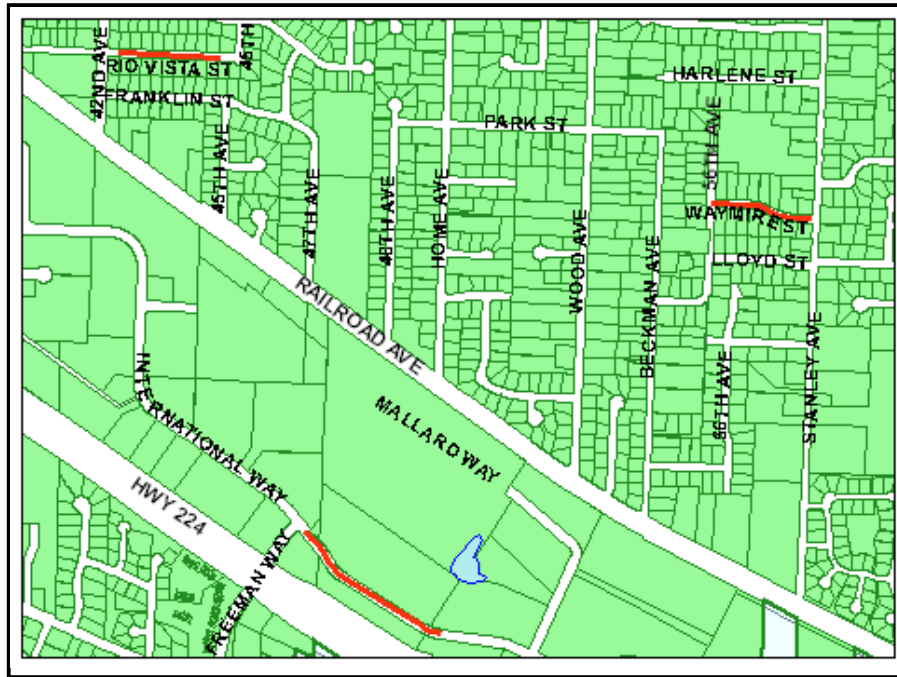
	Fiscal Years					Total
	05/06	06/07	07/08	08/09	09/10	
Capital Cost:						
Planning, Engineering, Design						
Land/Right-of-Way						
Construction				160,000		160,000
Contingency				40,000		40,000
Total Estimated Capital Cost				200,000		200,000
Revenue Source:						
Water Fund				200,000		200,000
Total Estimated Revenue				200,000		200,000

Description:

Replace 1,200 feet of 6-inch cast iron waterline with 12-inch waterline. This is a dead-end line serving an industrial area. Identified in the January 2001 Water System Master Plan as a priority one project to relieve fire flow deficiencies in the existing system.

Prepared By:	Brenda Schleining	Date:	February 9, 2005	Project No:	0112
Fund:	510	Dept:	635	Object:	7500
				Subobj:	1605

City of Milwaukie Capital Improvement Plan



Rio Vista, Waymire Street, International Way

	Fiscal Years					
	05/06	06/07	07/08	08/09	09/10	Total
Capital Cost:						
Planning, Engineering, Design				16,000		16,000
Land/Right-of-Way						
Construction					163,000	163,000
Contingency					32,000	32,000
Total Estimated Capital Cost				16,000	195,000	211,000
Revenue Source:						
Water Fund				16,000	195,000	211,000
Total Estimated Revenue				16,000	195,000	211,000

Description:

Rio Vista St. from 42nd Ave. to 45th Ave. – Replace 600 feet of 4" waterline with 6" waterline.

Waymire St. from Stanley Ave. to 56th Ave. – Replace 600 feet of 4" waterline with 6" waterline. Rio Vista St. and Waymire St. were identified in the January 2001 Water System Master Plan as priority two "small diameter pipeline replacement" projects.

International Way from Freeman Way to Mallard Way – Add 1,000 feet of 12" waterline. This was not identified in the Water System Master Plan because it was shown as existing. It is a necessary additional loop on the 12" system to improve fire flow in the system, add fire hydrant coverage, and eliminate a dead end 12" main in the industrial area.

Prepared By:	Brenda Schleining	Date:	February 9, 2005	Project No:	0113
Fund:	510	Dept:	635	Object:	7500
				Subobj:	1230



City of Milwaukie Capital Improvement Plan



Storage Tank

		Fiscal Years					
		05/06	06/07	07/08	08/09	09/10	Total
Capital Cost:	Planning, Engineering, Design				75,000		75,000
	Land/Right-of-Way						
	Construction					3,000,000	3,000,000
	Contingency						
Total Estimated Capital Cost				75,000	3,000,000	3,075,000	
Revenue Source:	Water Fund			75,000	3,000,000	3,075,000	
Total Estimated Revenue				75,000	3,000,000	3,075,000	
Description:							
Storage tank to provide additional needed storage that was identified in the January 2001 Water System Master Plan. This could be joint storage with CRW or a new storage tank for Milwaukie.							
Prepared By: Brenda Schleining		Date: February 9, 2005			Project No: 0114		
Fund: 510	Dept: 635	Object: 7500			Subobj: 1785		